

# Joshua W Owen

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,460  
citations

393982

19  
h-index

433756

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2295  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liposome production by microfluidics: potential and limiting factors. <i>Scientific Reports</i> , 2016, 6, 25876.	1.6	273
2	Oxygen carrying microbubbles for enhanced sonodynamic therapy of hypoxic tumours. <i>Journal of Controlled Release</i> , 2015, 203, 51-56.	4.8	225
3	Mapping microbubble viscosity using fluorescence lifetime imaging of molecular rotors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9225-9230.	3.3	128
4	Nanoparticle-Loaded Protein-Polymer Nanodroplets for Improved Stability and Conversion Efficiency in Ultrasound Imaging and Drug Delivery. <i>Advanced Materials</i> , 2015, 27, 5484-5492.	11.1	122
5	Combined sonodynamic and antimetabolite therapy for the improved treatment of pancreatic cancer using oxygen loaded microbubbles as a delivery vehicle. <i>Biomaterials</i> , 2016, 80, 20-32.	5.7	116
6	Magnetic targeting and ultrasound mediated drug delivery: Benefits, limitations and combination. <i>International Journal of Hyperthermia</i> , 2012, 28, 362-373.	1.1	55
7	Reducing Tumour Hypoxia via Oral Administration of Oxygen Nanobubbles. <i>PLoS ONE</i> , 2016, 11, e0168088.	1.1	52
8	Magnetically responsive microbubbles as delivery vehicles for targeted sonodynamic and antimetabolite therapy of pancreatic cancer. <i>Journal of Controlled Release</i> , 2017, 262, 192-200.	4.8	47
9	Halbach arrays consisting of cubic elements optimised for high field gradients in magnetic drug targeting applications. <i>Physics in Medicine and Biology</i> , 2015, 60, 8303-8327.	1.6	43
10	A versatile method for the preparation of particle-loaded microbubbles for multimodality imaging and targeted drug delivery. <i>Drug Delivery and Translational Research</i> , 2018, 8, 342-356.	3.0	37
11	Ultrasound-mediated cavitation enhances the delivery of an EGFR-targeting liposomal formulation designed for chemo-radionuclide therapy. <i>Theranostics</i> , 2019, 9, 5595-5609.	4.6	37
12	Enhancement and Passive Acoustic Mapping of Cavitation from Fluorescently Tagged Magnetic Resonance-Visible Magnetic Microbubbles In Vivo. <i>Ultrasound in Medicine and Biology</i> , 2016, 42, 3022-3036.	0.7	33
13	Magnetic targeting of microbubbles against physiologically relevant flow conditions. <i>Interface Focus</i> , 2015, 5, 20150001.	1.5	30
14	Sonothrombolysis with Magnetically Targeted Microbubbles. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1151-1163.	0.7	30
15	Biologically and Acoustically Compatible Chamber for Studying Ultrasound-Mediated Delivery of Therapeutic Compounds. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 1927-1937.	0.7	29
16	Passive acoustic mapping of magnetic microbubbles for cavitation enhancement and localization. <i>Physics in Medicine and Biology</i> , 2015, 60, 785-806.	1.6	27
17	Acoustically responsive polydopamine nanodroplets: A novel theranostic agent. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104782.	3.8	27
18	Technique for the Characterization of Phospholipid Microbubbles Coatings by Transmission Electron Microscopy. <i>Ultrasound in Medicine and Biology</i> , 2015, 41, 3253-3258.	0.7	22

#	ARTICLE	IF	CITATIONS
19	Quantification of microbubble concentration through x-ray phase contrast imaging. <i>Applied Physics Letters</i> , 2013, 103, 114105.	1.5	21
20	The Role of PEG-40-stearate in the Production, Morphology, and Stability of Microbubbles. <i>Langmuir</i> , 2019, 35, 10014-10024.	1.6	19
21	Understanding the Structure and Mechanism of Formation of a New Magnetic Microbubble Formulation. <i>Theranostics</i> , 2012, 2, 1127-1139.	4.6	18
22	The influence of blood on targeted microbubbles. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140622.	1.5	13
23	3-Bromopyruvate-mediated MCT1-dependent metabolic perturbation sensitizes triple negative breast cancer cells to ionizing radiation. <i>Cancer &amp; Metabolism</i> , 2021, 9, 37.	2.4	11
24	Ultrasound-Triggered Delivery of Iproplatin from Microbubble-Conjugated Liposomes. <i>ChemistryOpen</i> , 2021, 10, 1170-1176.	0.9	11
25	Indium-111 labelling of liposomal HEGF for radionuclide delivery via ultrasound-induced cavitation. <i>Journal of Controlled Release</i> , 2020, 319, 222-233.	4.8	9
26	Orally administered oxygen nanobubbles enhance tumor response to sonodynamic therapy. <i>Nano Select</i> , 2022, 3, 394-401.	1.9	9
27	3D printed reactor-in-a-centrifuge (RIAC): Making flow-synthesis of nanoparticles pump-free and cost-effective. <i>Chemical Engineering Journal</i> , 2021, 425, 130656.	6.6	7
28	Laser-driven resonance of dye-doped oil-coated microbubbles: Experimental study. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 4832-4846.	0.5	6
29	Passive acoustic mapping of magnetic microbubbles in an in vitro flow model. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	1
30	Determination of oxygen relaxivity in oxygen nanobubbles at 3 and 7 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, , 1.	1.1	1
31	Investigating the effect of fabrication method on the stability and acoustic response of microbubble agents. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0